

RECEIVED
CENTRAL FAX CENTER

JUL 28 2005

The Law Offices of Mikio Ishimaru

Intellectual Property Law
Patents - Licensing - Strategy - & Related Matters
1110 Sunnyvale-Saratoga Road, Suite A1
Sunnyvale, CA 94087
Telephone: (408) 738-0592
Fax: (408) 738-0881

Fax

To: Mail Stop AMENDMENT From: Mikio Ishimaru
Examiner Stephen W. Smoot

Fax: (571) 273-8300 Pages: 11, including this page
TC 2813 - Before Final

Phone: (571) 272-1698 Date: July 28, 2005

Re: U.S. Patent Application Serial
No. 10/608,883 Atty Docket no.: F0361.C1.D1

☒ Response/Amendment to Office Action ☐ Information ☐ Other

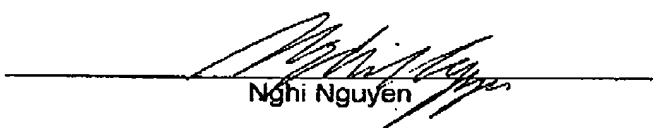
IMPORTANT

The information contained in this facsimile is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone, and return the original message to us at the address above via the U.S. Postal Service. Thank you.

For confirmation or assistance, call (408) 738-0592

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on July 28, 2005


Nghi Nguyen

With reference to serial number 10/608,883, the following are being submitted:

- Fax Cover Sheet with Certificate of Transmission (1 page)
- Transmittal for Enclosures in duplicate (2 pages)
- Amendment (8 pages)

RECEIVED
CENTRAL FAX CENTER

JUL 28 2005

Docket No.: F0361.C1.D1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Steven C. Avanzino et al.

: Confirmation No.: 7845

Serial No.: 10/608,883

: Examiner: Stephen W. Smoot

Filed: 6/26/2003

: Group Art Unit: 2813

For:

INTEGRATED CIRCUIT WITH
DIELECTRIC DIFFUSION BARRIER
LAYER FORMED BETWEEN
INTERCONNECTS AND
INTERLAYER DIELECTRIC LAYERS

TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	• Fax Cover Sheet with Certificate of Transmission
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	16	20	0	x \$50 =	\$ 0.00
Independent Claims	4	3	1	x \$200 =	\$200.00
If multiple claims newly presented, add \$300					
Fee for extension of time					
Other:					
TOTAL FEE					\$200.00

- ☒ Please charge Deposit Account No. 01-0365 in the amount of \$200.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 01-0365, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



Mikio Ishimaru
Registration No. 27,449
Date: July 28, 2005

RECEIVED
CENTRAL FAX CENTER

JUL 28 2005

PATENT

Docket No.: F0361.C1.D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Steven C. Avanzino et al. : Confirmation No.: 7845
 Serial No.: 10/608,883 : Examiner: Stephen W. Smoot
 Filed: 6/26/2003 : Group Art Unit: 2813
 For: INTEGRATED CIRCUIT WITH :
 DIELECTRIC DIFFUSION BARRIER :
 LAYER FORMED BETWEEN :
 INTERCONNECTS AND :
 INTERLAYER DIELECTRIC LAYERS

TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	• Fax Cover Sheet with Certificate of Transmission
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	16	20	0	x \$50 =	\$ 0.00
Independent Claims	4	3	1	x \$200 =	\$200.00
If multiple claims newly presented, add \$300					
Fee for extension of time					
Other:					
TOTAL FEE					\$200.00

- ☒ Please charge Deposit Account No. 01-0365 in the amount of \$200.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 01-0365, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Mikio Ishimaru

Mikio Ishimaru
 Registration No. 27,449
 Date: July 28, 2005

RECEIVED
CENTRAL FAX CENTER

Docket No.: F0361.C1.D1

JUL 28 2005**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Steven C. Avanzino, et al. : Confirmation No.: 7845
Serial No.: 10/608,883 : Art Unit: 2813
Filed: 6/26/2003 : Examiner: Stephen W. Smoot

For: INTEGRATED CIRCUIT :
WITH DIELECTRIC
DIFFUSION BARRIER
LAYER FORMED
BETWEEN
INTERCONNECTS AND
INTERLAYER
DIELECTRIC LAYERS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE /AMENDMENT

Sir:

The following Amendment and Remarks are submitted under 37 C.F.R. §1.111 in response to the Office Action mailed April 28, 2005, following the amendment format set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Specification, Amendments to the Claims, and then Remarks, each starting on a separate page.

Amendments to the Specification consist of amendments for the Cross-Reference to Related Applications. Amendments to the Claims consist of: amendments for claims 11, 13, 15, and 17; cancellation of claims 12 and 16; and new claims 23-28, which are incorporated in a complete listing of the claims.